

**Environmental Services Department** Water & Waste Management **On-Site Wastewater Program** www.maricopa.gov/envsvc/WATER/oswtf.asp

# LEACH BED

# Design Guide For an **ON-SITE WASTEWATER TREATMENT FACILITY** (OSWTF)

A basic guide to designing a Conventional\* OSWTF to serve a single family residence in Maricopa County. This guide includes instruction on how to design an OSWTF and submit a complete application called the Notice of Intent to Discharge (NOID) Packet.

<sup>\*</sup> A standard septic tank and disposal field design specified in this guide is intended to serve most sites where no limiting conditions are identified by the site investigation conducted under the Aquifer Protection Permit Rule - R18-9-A311. Typical disposal fields are: Trenches, Leach Beds, Seepage Pits or Chamber Technologies.

<sup>\*\*</sup>Design requirements are subject to revision

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# Phase II (Notice of Intent to Discharge-NOID) Submittal Checklist

# INCORRECT OR INCOMPLETE PHASE II (NOID) PACKETS WILL NOT BE ACCEPTED

 	oodway/Floodplain instructions)  f OWNER or letter of authorization
 Fixture unit/Bedroom Equivalent Chart/Calculations V	<u> </u>
 Plan and Profile with pipe elevations of tank and Cros	ss Sections of disposal components
 <ul> <li>List of materials, components, and equipment for cor</li> </ul>	
	tests or seepage pit performance tests, if not
conducted by MCESD staff A310.B	
Two (2) complete site plans: use scale of 1"=30', 1"=	=20', or 1"=10'. Break lines are prohibited! For
 larger parcels, use appropriate scale to fit parcel on c	
structure(s) it serves, and the immediate area shall b	
acceptable scale. Indicate scale and north arrow on s	
Site plans shall include the following (se	
and R18-9-A309(B) for detailed requirer	
	ox, distribution lines, primary and reserve
disposal areas (drawn to scale and inc	
	dication north arrow)
<del></del>	washes, and/or drainage easements on site
Identify all easements and setbacks; i	
Location of any well and water line fro	
	contour interval, showing original and final
grades	2001 from the consequent of the orbital mass
	an 200' from the proposed site which may
	SWTF or reserve areas. Indicate if bordering
lots are vacant or built-on	
Location of any earth fissures (minimum	
	r, site address, permit number, subdivision
name and lot number or legal descrip	
Signature Block, signed by designer, of	on first submission and any revision
 _ Water company name	
 <ul> <li>Recorded Shared Well Agreement with survey (otherw</li> </ul>	vise, tank and disposal area must be greater
than 50' from property line), if water is not supplied b	y a common water system
 Survey map; if lot split, a recorded survey with legal d	escription of all lots involved in split is
required	·
Grading and Drainage plan submitted to One Stop Sho	op or other permitting agency, if required
Vicinity map and detailed driving directions to the site	
If submitting a later version of any documentation, cle	
 revision in the top right corner of the documents	any laber as NEVIOLD and the date of the
Septic system designer must sign and write the permi	t number issued by MCESD on all documents
 required for submittal to MCESD for proper placement	
Applicable fees, check or cash only, due at time of sub-	
 _ Applicable rees, check of cash only, due at tille of sub	ornitial (See lee schedule)
Applicant's Signature	Dato
Applicant's Signature	Date

# FLOODWAYS AND FLOOD PLAINS AUGUST 1, 2005

### FLOOD PLAINS = BUILDING PAINS

Due to the increasing numbers of homes being built in and around Floodways and Flood Plains in Maricopa County it is important that you check to insure your parcel is not located in a flood plain or flood way. A septic permit will not be issued for those homes in the Flood Plains and Floodways, without prior approval from Maricopa County Flood Control Department. You can check your parcel on line at <a href="http://www.maricopa.gov/Assessor/">http://www.maricopa.gov/Maps/</a> to see if you are with in a Flood Plain or Floodway or by telephone at (602) 506-1501. As always each submittal must have:

- Site plans must identify all washes and drainage patterns with flow rates.
- Site plans must identify Flood plains, and Flood way boundaries.
- Drainage and Grading reports must be submitted.

## http://www.maricopa.gov/Assessor/

- 1.) Enter parcel number.
- 2.) Click "Submit".
- 3.) Click "View GIS Map".
- 4.) Click "OK" on the disclaimer.
- 5.) Locate menu on the lower right side of screen.
- 6.) Scroll down to "Zoom Selected".
- 7.) Locate the menu on the left hand side of the screen.
- 8.) Click on "down arrow"
- 9.) Scroll all the way down to "FLOODPLAINS", click on it
- 10.) Print

### http://www.fcd.maricopa.gov/Maps/

- 1.) Click on "100-year FEMA Flood Plain Maps".
- 2.) Click on "OK" on the disclaimer.
- 3.) Locate "Parcel" in the upper right side of the screen.
- 4.) Click on it.
- 5.) In the pop-up box enter parcel number.
- 7.) Click "Find".
- 8.) Print

### For parcels in Rio Verde:

(note: all parcels start with Book: 219 and Map: 37 thru 42)

- 1.) Click on "Rio Verde Preliminary Flood Plains".
- 2.) Click on "OK" on the disclaimer.
- 3.) Locate "Parcel" in the upper right side of the screen.
- 4.) In the pop-up box enter parcel number.
- 5.) Click "Find".
- 6.) Print

## SEWER DETERMINATION

THE OWNER OR PERSON REQUESTING TO INSTALL AN ONSITE SYSTEM MUST DETERMINE THE LOCATION OF THE NEAREST SEWER TAP TO THE PROPERTY. ARIZONA ADMINISTRATIVE CODE R18-9-A309 SETS REQUIREMENTS FOR HOOK-UP TO SANITARY SEWER.

"SEWER CONNECTION IS REQUIRED IF THE CONNECTION IS PRACTICAL. A CONNECTION IS PRACTICAL IF THE DISTANCE TO CONNECT TO THE SEWER IS 400 FEET OR LESS AND THE TOTAL COST OF THE CONNECTION IS LESS THAN \$6000, IF CAPACITY IS AVAILABLE, AND THE PERFORMANCE OF THE SEWAGE COLLECTION SYSTEM AND RECEIVING SEWAGE TREATMENT FACILITY ARE NOT IMPAIRED." THE \$6000 IS FOR HARD CONSTRUCTION COSTS ONLY FROM THE NEAREST POINT ON THE PROPERTY LINE TO THE NEAREST POINT OF CONNECTION. CONNECTION FEES ARE A SEPARATE COST

MARICOPA COUNTY PROVIDES THE PHONE NUMBERS BELOW TO BEGIN YOUR SEARCH. SOME MUNICIPALITIES MAY HAVE MORE STRINGENT REQUIREMENTS AND WILL REQUIRE CONNECTION TO CITY SEWER. A STATEMENT INDICATING THE AVAILABILITY OF THE SEWER IS NEEDED PRIOR TO ANY SUBMITTAL TO THE ENVIRONMENTAL SERVICES DEPARTMENT.

AVONDALE	623-478-3330	www.ci.avondale.az.us
BUCKEYE	623-386-2487	www.buckeyeaz.gov
CAVE CREEK	480-488-1400	www.cavecreek.org
CAREFREE	480-488-3638	www.carefree.org
EL MIRAGE	623-933-8318	www.cityofelmirage.org
GILBERT	480-503-6000	www.ci.gilbert.az.us
GLENDALE	623-930-2000	www.ci.glendale.az.us
GOODYEAR	623-932-1637	www.ci.goodyear.az.us
MESA	480-644-4273	www.cityofmesa.org
PARADISE VALLEY	480-348-3528	www.ci.paradise-valley.az.us
PEORIA	623-773-7210	www.peoriaaz.com
PHOENIX	602-262-6551	www.ci.phoenix.az.us
QUEEN CREEK	480-987-0496	www.queencreek.org
SCOTTSDALE	480-312-2356	www.ci.scottsdale.az.us
SURPRISE	623-583-0947	www.surpriseaz.com
TEMPE	480-350-8341	www.tempe.gov
TOLLESON	623-936-7141	www.tollesonaz.org

MARICOPA COUNTY ENVIRONMENTAL SERVICES MAKES EVERY ATTEMPT TO PROVIDE ACCURATE INFORMATION. PHONE NUMBERS MAY CHANGE WITHOUT OUR KNOWLEDGE.

# CHAPTER I MARICOPA COUNTY HEALTH CODE WATER & WASTE MANAGEMENT DIVISION ON-SITE WASTEWATER PROGRAM AND WELL PROGRAM FEE SCHEDULE (excerpt)\*\*\* - Effective July 21, 2006

BASE PLAN REVIEW FEE SCHEDULE			
*Septic Tank Conventional Disposal, less than 3000 gal./day	\$550.00		
Aerobic System with Surface Disposal	\$1050.00		
Composting Toilet, less than 3000 gal/day	\$400.00		
Septic tank with one additional alternative element**	\$1050.00		
Septic tank with >one additional alternative element**	\$1050 plus \$250 per additional element		
On-site wastewater treatment facility with flow from 3000 gal/day to less than 24,000 gal/day	\$1800.00		
**These alternative disposal elements are all for systems of less than 3000 gal/day and include the following: pressure distribution systems, gravelless trenches, natural seal evapotranspiration beds, Wisconsin mounds, engineered pad systems, intermittent sand filters, peat filters, textile filters, Ruck® Systems, sewage vaults, aerobic systems/subsurface disposal, aerobic systems/surface disposal, cap systems, constructed wetlands, sand lined trenches, disinfection devices, sequencing batch reactors, subsurface drip irrigation systems.			
On-Site System Site Inspection	\$325.00		
On-Site System Site Inspection and Domestic Well Approval	\$375.00		
On-Site System Alteration Permit	\$75.00		
On-Site System Alteration Permit and One Inspection	\$400.00		
On-Site System Reconnect/Remodel Review	\$135.00		
On-Site System Reconnect/Remodel Review and One Inspection	\$400.00		
On-Site System Plan Revision	\$100.00		
On-Site System Request for Alternate Design, Installation, or Operational Feature	\$75.00		
On-Site System Design Requiring Interceptor	\$200.00 per Interceptor		
On-Site System Transfer of Ownership	\$50.00		
On-Site System Abandoned Site	\$175.00		
Domestic Well Approval	\$65.00		

<sup>\*</sup>Gravity-fed trenches, seepage pits, leach beds, or chambers. Includes up to two (2) plan reviews and three (3) construction inspections.

www.maricopa.gov/envsvc/BUSINESS/hlthcode.asp

The Expedited Plan Review Fee is twice the fee for that category. **Expedited Plan Reviews require prior Management approval**.

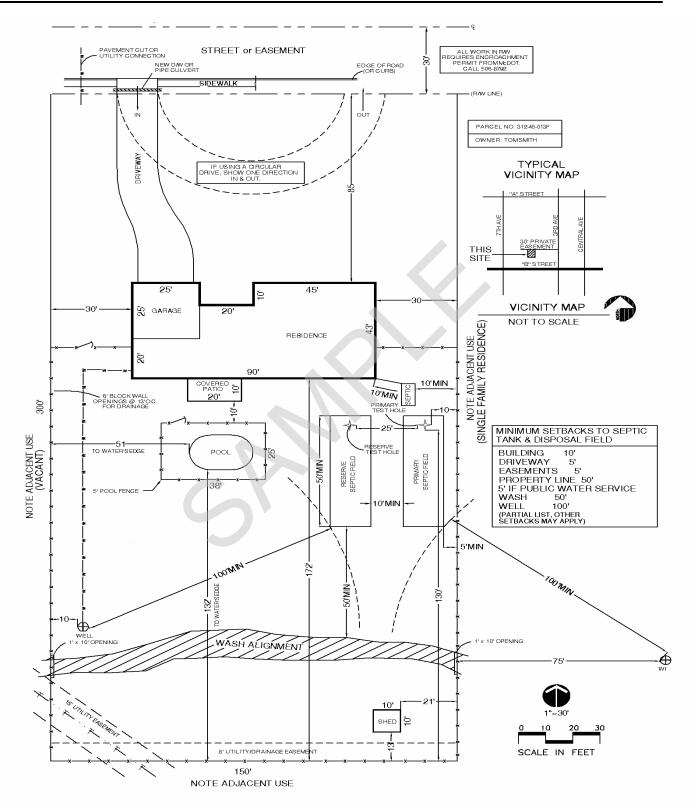
<sup>\*\*\*</sup> To see the fee schedule in its entirety go to:



# Planning & Development Department



# TYPICAL RESIDENTIAL SITE PLAN



SAMPLE ONLY (DRAWING SHOWN IS NOT TO SCALE)
ADDITIONAL DETAILED PLANS MAY BE REQUIRED.

# **SETBACK DISTANCE CHART**

The design of the On-Site Wastewater Treatment Facility shall comply with the setbacks indicated below.

Features Requiring Setbacks	Setback For An On- Site Wastewater Treatment Facility, Including Reserve Area (In Feet)	Special Provisions
1. Building	10	Includes porches, decks, and steps (covered or uncovered), breezeways, roofed patios, carports, covered walks, and similar structures and appurtenances.
Property line shared with any adjoining lot or parcel not served by a common drinking water system* or an existing drinking water well	50	A person may reduce the setback to a minimum of 5 feet from the property line if:  a. The owners of any affected undeveloped adjacent properties agree, as evidenced by an appropriately recorded document, to limit the location of any new well on their property to at least 100 feet from the proposed treatment works and primary and reserve disposal works; and b. The arrangements and documentation are approved by the Department.  * A "common drinking water system" means a system that currently serves or is under legal obligation to serve the property and may include a drinking water utility, a well-sharing agreement, or other viable water supply agreement.
3. All other property lines.	5	None
4. Public or private water supply well.	100	None
5. Perennial or intermittent stream	100	Measured horizontally from the high water line of the peak streamflow from a 10-year, 24-hour rainfall event.
6. Lake, reservoir, or canal	100	Measured horizontally from the high water line from a 10-year, 24-hour rainfall event at the lake or reservoir.
<ol> <li>Drinking water intake from a surface water source (includes an open water body, downslope spring or a well tapping streamside saturated alluvium)</li> </ol>	200	Measured horizontally from the on-site wastewater treatment facility to the structure or mechanism for withdrawing raw water such as a pipe inlet, grate, pump, intake or diversion box, spring box, well, or similar structure.
Wash or drainage easement with a drainage area more than 20 acres	50	Measured horizontally from the nearest edge of the defined natural channel bank or drainage easement boundary. A person may reduce the setback to 25 feet if natural or constructed erosion protection is approved by the appropriate floodplain administrator.
9. Water main or branch water line	10	None

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11. Downslopes or cut banks greater than 15 percent, culverts, and ditches from:	5	Measured horizontally between the water line and the wastewater pipe, except that the following are allowed:  a. A water line may cross above a wastewater pipe if the crossing angle is between 45 and 90 degrees and the vertical separation distance is 1 foot or more.  b. A water line may parallel a wastewater pipe with a horizontal separation distance of 1 foot to 5 feet if the bottom of the water line is 1 foot or more above the top of the wastewater pipe and is in a separate trench or on a bench in the same trench.
diches from:		
<ul><li>a. Treatment works components</li><li>b. Trench, bed, chamber</li></ul>	10	Measured horizontally from the bottom of the treatment works component to the closest point of daylighting on the surface.  Measured horizontally from the bottom of the
technology, or gravelless trench with:		lowest point of the disposal pipe or drip lines, as applicable, to the closest point of daylighting on the surface.
<ul><li>i. No limiting subsurface condition specified in R18-9- A310(D)(2),</li></ul>	20	
ii. A limiting subsurface condition.	50	
c. Subsurface drip lines.	3	Measured horizontally from the bottom of the lowest point of the disposal pipe or drip lines, as applicable, to the closest point of daylighting on the surface.
12. Driveway	5	Measured horizontally to the nearest edge of an onsite wastewater treatment facility excavation. A person may place a properly reinforced and protected wastewater treatment facility, except for disposal works, at any location relative to a driveway if access openings, risers, and covers carry the design load and are protected from inflow.
13. Swimming pool excavation	5	Except if soil loading or stability concerns indicate the need for a greater separation distance.
14. Easement (except drainage easement)	5	None
15. Earth fissures	100	None

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# DIVISION OF WATER AND WASTE MANAGEMENT

Dale Bodiya, P.E., Interim Division Manager (602) 506-6666 FAX (602) 506-6925 TT (506) 6704

### SHARED WELL EASEMENTS/AGREEMENTS

Shared well agreements may provide an adjustment to property line setback requirements as stated in the Arizona Aquifer Permit Rule, R-18-9-A312 C.

All shared well agreements MUST be recorded at the county recorders office and contain the following information:

- Effective date
- Parties involved (Grantor and Grantees; Parties to the Agreement)
- Recorded document number
- Full legal description of all the well site, easement and Servant parcels sharing the well with instrument number (all the parcels benefiting from sharing the well and easements)
- How the agreement will run with the land/deed for the parcels
- The relationship of each parcel to: (construction, operation and expenses)

General provisions

Management of the provisions of the agreement

Percentage ownership

Percentage share of cost for operation and maintenance of the well and easements

Resolution of conflicts

Conditions and Limitations

- Survey map (drawing or graphic showing the impacted parcels with dimensions, well site and easements). Recorded as part of document or as a separate document
- Title and Signature with date, of Grantor/Grantee (Parties to the Agreement) of all parcels
- Notary stamp, signature and date.
- Unofficial document will not be accepted

If you have questions or need additional information please contact us at the numbers listed above.

# (Permit / File #) Designed by:

# LEACH BED WORKSHEET

(to be submitted with NOID Application Packet)

FIXTURE COUNT CALCULATION CHART						
FIXTURE TYPE FIXTURE UNIT # OF FIXTURES TOTAL UNITS						
Bath Tub	2	Х		=		
Bidet	2	Х		=		
Clothes Washer	2	Х		=		
Dishwasher	2	Х		=		
Lavatory (bathroom sink), single	1	Х		=		
Lavatory, double in master bedroom	1	Х		=		
Shower, single stall	2	Х		=		
Sink, bar	1	Х		=		
Sink, kitchen	2	Х		=		
Sink, service	3	Х		=		
Utility tub or Sink	2	Х		=		
Water Closet (toilet), 1.6 GPF	3	Х		=		
Water Closet (toilet), >1.6-3.2 GPF	4	Х		=		
Water Closet (toilet), >3.2 GPF	6	Х		=		
TOTAL FIXTURE UNITS						

### Items in BOLD are the most commonly used fixtures.

"Bedroom" means, for the purposes of determining design flow for an on-site wastewater treatment facility for a dwelling, any room has:

- a). A floor space of at least 70 square feet in area, excluding closets;
- b). A ceiling height of at least 7 feet;
- c). Electrical service and ventilation;
- d). A closet or area where a closet could be constructed;
- e). At least one window capable of being opened and used for emergency egress; and
- f). A method of entry and exit into the room which allows it to be considered distinct from other rooms in the dwelling to afford a level of privacy customarily expected for such a room.

Bedroom/Equivalent Worksheet				
Room Type	Number of Rooms			
Bedroom				
Den				
Office				
Other:				
Other:				
Other:				
Total:				

A LEACH BED HAS A MAXIMUM OVERALL	<b>DEPTH OF FIVE FEET (</b>	5').
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Fill in the TANK SIZE from the OSWTF Sizing Chart Worksheet. **TANK SIZE** Fill in the DESIGN FLOW from the OSWTF Sizing Chart Worksheet. DESIGN FLOW = Fill in the PERCOLATION RATE from the Soils Report PERC. RATE Divide DESIGN FLOW by the SAR from the Conversion Chart. This equals the total square footage of disposal area required. TOTAL SOURCE CONTAGE OF DISPOSAL AREA REQUIRED (See Example Calculations

TOTAL SQUARE FOOTAGE	OF DISPOSAL AREA REQUIRED =
for detailed instructions)	DIVISOR USED=
ge by the divisor, this will equal	the total linear length of bed required.

Divide the total square footage

TOTAL LINEAR LENGTH OF BED	=	
----------------------------	---	--

If the total linear length of bed is greater than 50' it is recommended that the total is divided into more than one bed of equal size separated by a distribution box.

The separation between piping in the bed is 5' or twice the effective depth, whichever is greater.

The maximum length for any disposal field is 100'. Additional inspection risers are required for any bed greater than 50' in length, placed in the center of the bed and halfway between other risers.

Effective Length of Bed	
Effective Width of Bed	
Number of Lines per Bed	
Proposed Overall Depth of Bed	
Number of Beds	

100' maximum length

(Permit / File #)

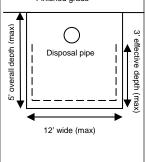
Designed by:

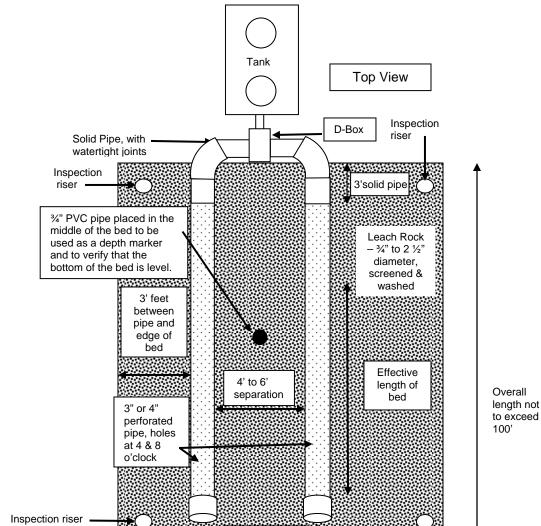
# **EXAMPLE CALCULATION**

To calculate the divisor per linear foot of bed, add both sides of the sidewall absorption area (effective depth) plus the bottom absorption area (width). In the example below, the effective depth is 3' and the width is 12'. The divisor would be 18 (3 + 3+ 12 = 18). The maximum allowable

### Finished grade

divisor is 18.





Width of bed is 10 or 12 feet

3' from pipe

These diagrams are for example purposes only; they are not to TRUE scale.

# SEPTIC SYSTEM SIZING CHARTS

Use the charts below to complete the Design Worksheet on the following page.

	SELECTING THE PROPER SIZE SYSTEM					
No. of Bedrooms*	Fixture Count	Minimum Septic Tank Size ( gallons)	System Daily Design Flow (gallons per day)			
1	7 or less	1000	150			
	more than 7	1000	300			
2	14 or less	1000	300			
	more than 14	1000	450			
3	21 or less	1000	450			
	more than 21	1250	600			
4	28 or less	1250	600			
	more than 28	1500	750			
5	35 or less	1500	750			
	more than 35	2000	900			
6	42 or less	2000	900			
	more than 42	2500	1050			
7	49 or less	2500	1050			
	more than 49	3000	1200			
8	56 or less	3000	1200			
	more than 56	3000	1350			

\*For a single residence with more than 8 bedrooms, use either the bedroom count or the fixture count, whichever is greater, and the following formulas: For Septic Tank Size: multiply the number of bedrooms by 150, then multiply that total by 2.1. This will equal the minimum septic tank size in gallons. OR multiply the total fixture units by 25, then multiply that total by 2.1. For System Daily Design Flow: multiply the number of bedrooms by 150, this will equal the minimum Design Flow in gallons per day. OR multiply the total fixture units by 25.

Obtain perc rate from soil report. Use the chart below to determine Soil Absorption Rate (SAR). Then, use the Design Flow determined from the above chart. The formula used to determine the required square footage of disposal area is: DESIGN FLOW  $\div$  SAR. (Example:  $600 \div 0.63 = 952$  sqft)

DESIGN FLOW CALCULATION TABLE-LEACH BED								
		Design FlowGallons per Day						
		450	600	750	900	1050	1200	1350
PERC RATE (min/inch)	SAR (gpd/sqft)	Required Square Footage of Disposal Area						
<1		NOT	NOT ALLOWED FOR CONVENTIONAL DISPOSAL					
1 to <3	0.93	484	645	806	968	1129	1290	1452
3	0.73	616	822	1027	1266	1438	1644	1849
4	0.67	672	896	1119	1343	1567	1791	2015
5	0.6	750	1000	1250	1500	1750	2000	2250
7	0.5	900	1200	1500	1800	2100	2400	2700
10	0.42	1071	1429	1786	2143	2500	2857	3214
15	0.33	1364	1818	2273	2727	3182	3636	4091
20	029	1552	2069	2586	3103	3621	4138	4655
25	0.27	1667	2222	2778	3333	3899	4444	5000
30	0.24	1875	2500	3125	3750	4375	5000	5625
35	0.22	2045	2727	3409	4091	4773	5455	6136
40	0.21	2143	2857	3571	4286	5000	5714	6429
45	0.2	2250	3000	3750	4500	5250	6000	6750
50	0.19	2368	3158	3947	4737	5526	6316	7105
55	0.18	2500	3333	4167	5000	5833	6667	7500
55 to<60	0.17	2647	3529	4412	5294	6176	7059	7941
60 to<120	0.13	3642	4615	5769	6923	8077	9231	10385
>120		NOT	ALLOWED	FOR CO	NVENTIONAL	DISPOS	AL	

# ENVIRONMENTAL SERVICES DEPARTMENT

John A. Power, P.E., MPA, Director 1001 North Central, Ste. 150 Phoenix, AZ 85004



# DIVISION OF WATER AND WASTE MANAGEMENT

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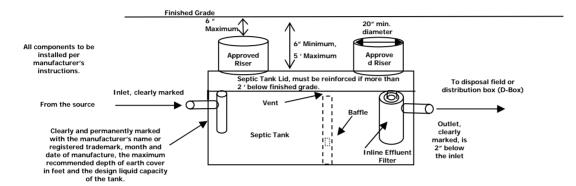
# MATERIALS LIST FOR ON-SITE WASTEWATER TREATMENT FACILITY

OWNER:	
ADDRESS:	
Zip	
TANK MANUFACTURER:	
TANK SIZE:gallons.	
A. Concrete: B. Fiberglass:	
C. Polyethylene:	
D-BOX:4 hole6 holeOther:	
Material:Polyethylene	
TYPE OF AGGREGATE TO BE USED:	tons.
WASHED RE-CYCLED CONCRETE:	tons.
LENGTH OF PIPE:	
A. SOLID:Ft	
B. PERFORATEDFt C. SDR 35:YESNO	
CHAMBERS:	
A. TYPE:	
B. NUMBER:	
OTHER COMPONENTS:	
A. GEO-TEXTILEft.	
B. OTHER NON-POROUS MATERIAL: Type:	
C. ALTERNATIVE SYSTEMS (Describe materials l	list in detail):
D. PRESSURE DRIP SYSTEMS:	
Materials and quantity: (attach separate list)	
PRINT DESIGNER NAME:	
	<del></del>
PRINT INSTALLER NAME:	ROC:

## SEPTIC TANK AND DISTRIBUTION BOX (D-BOX) TIPS

(to be submitted with NOID Application Packet)

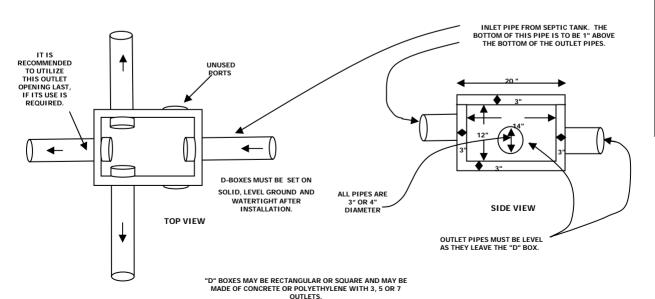
Consideration of how deep the plumbing stub-out is at the proposed septic tank location will determine how deep the tank and disposal field must be. Septic tanks that are installed so the top of the tank is two feet (2') to five feet (5') below finished grade will require additional reinforcement in the lid and risers. Tank lids that are greater than six inches (6") below finished grade are required to have risers installed so access openings on the top of the tank are within six inches (6") of finished grade. Tanks that are installed so the top of the tank is greater than five feet (5') deep are not allowed. In cases where the plumbing stub out is too deep to install the tank as described above the sewage may have to be pumped up to the tank from the source. If the designated reserve disposal field is at a higher elevation than the septic tank, across a wash or too far away (100' is the maximum separation between septic tank and disposal field), it may be required to have a lift station engineered and approved prior to utilizing the primary or reserve disposal fields.



It is recommended that the OSWTF be installed as shallow as possible to utilize the benefit of evaporation through the top soils.



THE PURPOSE OF THE D-BOX IS TO DIVIDE THE LIQUID FLOW EVENLY THROUGHOUT THE DISPOSAL FIELD.



# OSWTF Permit 7

Maricopa County Environmental Services Department Water & Waste Management Division (Delegated Authority for ADEQ) 1001 N Central Ave, Suite 150

Phoenix, AZ 85004 Phone: (602) 506-6666 Fax: (602) 506 6925 COUNT

# NOTICE OF INTENT TO DISCHARGE (NOID)

Under a General Aquifer Protection Permit for an On-Site Wastewater Treatment Facility (OSWTF)

Instructions: Fill out completely (<u>failure to do so will result in a delay of the permitting process</u>) and submit this NOID to obtain authorization to construct and approval to discharge from a new or altered OSWTF, including a **conventional septic tank and / or disposal field system or alternative on-site treatment and disposal technologies** covered by Aquifer Protection Permits. All required information must be submitted along with this application and applicable fees, cash or check only. **Print or type in black or blue INK** (pencil is not acceptable) all information except the signature black on page two. This application will expire one year from the date of submittal if Construction Authorization has **not** been issued

signa	ture block on page two. This application will expire one year from the da	ite of submittal	if Construct	ion Authorization	n has <b>not</b> been iss	ued.
1.	Site Location:			Marico	one County A7	
	Subject Property Address:		City (if applica	ole)	opa County, AZ	Zip Code
	Cross Streets		Pa	rcel Number		
	Subdivision Name (if applicable):				Lot #(s)	
	Legal Description: Section Township Range				Acreage	
2.	Property Owner					
	Name:		Phone #			
	Current Mailing Address*:  Street Name and Number		Fax #			
	City	Zip Code	NIODIIE #			
	*Any changes to this address shall be submitted in writing to MCESD widays of the change. All documents from MCESD will be mailed to thi unless otherwise noted below. Returned mail will not be forwarded.					
3.	Authorized Agent_for Property Owner, (if none, then leave blank):					
	Business Name:					
	Agentic Name		Contractor	Licence #.		
	Agent's Name		Contractor	License #:		
	Business Mailing Address:Street Name and Number		_ Phone 7	#		
			Fav			
	Are you authorized to install the OSWTF? (circle one)  YES	NO	Mobile	#		
	If NO, fill out the Septic Installer information below:					
	After 30 Days, unclaimed Authorizations to Construct will be mailed to:					
4.	On-Site Installer - Person authorized to install the OSWT, (if same as the Property Owner or Authorized Agent, leave blank):					
	Business Name: Contractor's License #					
	Business Mailing Address: Street Name and Number	Pl	hone #			
	City State	Zip Code	ax #			
	City State	*	Mobile #			
	THIS IS A TWO (2) PAGE DOCUMENT; BOTH PAGES M	UST BE CON	MPLETED	BEFORE SUBN	NITTING TO MO	CESD.
	THIS SPACE FOR (	OFFICE U	SE ONI	_Y		
NOI	LICENSING TIME FRAMES D Log in DateBy					
	- I INC P/D Tracking # B					
	Paperwork Review APPROVALS: General Permit (Circle Offe): 4.02 Other					
	Incomplete/HOLDBy			_gpd System 1	ype:	
	Pre Const Completed By	BILLING P	PURPOSE	AMT PD	RECEIPT #	DATE PD
	Pre Const -Incomplete/HOLDBy	PLAN REVIE	EW / SITE			
SR I	Post Const Completed By	PLAN REVIE	EW / SITE			
Site	Code:	OTHER				

5.	Site Details:						
	SEWER (circle one) IS / IS NOT AVAILABLE WITHIN 400' OF THE PROPERTY.						
	WATER SOURCE: (check one)Water Company: Water Company Name						
	Holding Tank (hauling water) - Fifty foot (50') setback is required.						
	Private Well						
	Shared Well*- SWA Recording #						
	Well Identification #						
	* A copy of all shared well agreements, recorded as an attachment to the deed of the subject properties, may be required as supplemental information <b>IF</b> the fifty foot (50') setback to the common property line between the OSWTF and adjacent property can not be met <b>AND</b> there is						
	not a well already installed on the adjacent property to the side that can not meet the required setback.						
	ALL EXISTING WELLS ON AND WITHIN 200' OF THE SUBJECT PROPERTY ARE SHOWN ON THE SITE PLANS, (circle one). YES NO						
,	Check One:Prior site work has been initiated and is on file with MCESD, W/WM. Existing file number(s)						
6.	Narrative Description of Project:  NEW - General Permit 4.02 (OSWTF which consists solely of a septic tank AND conventional disposal field circled below):						
	(circle one) Trench Seepage Pit Leach Bed Chamber Technology						
	ALTERATION - General Permit 4.02 (OSWTF which consists solely of a septic tank OR conventional disposal field circled below):						
	(circle one) Tank Trench Seepage Pit Leach Bed Chamber Technology						
	Any Other OSWTF. Describe proposed treatment and disposal train and indicate all applicable general permit numbers; indicate design flow and expected date of operation; describe sewage source and characteristics:						
	THE OSWTF WAS DESIGNED USING A SEPTIC TANK SIZE AND A DESIGN FLOW TO:						
	Serve a Single-Family Residence with typical household sewage.						
	Serve a Single-Family Residence with typical household sewage and						
	Serve Other Than a Single-Family Residence with typical household sewage.						
	Serve Other Than a Single-Family Residence with other than typical household sewage.  If other than a Single-Family Residence, then fill out the following information:						
	Type of Facility Number of Employees/Users						
	Other sources and characteristics of the wastewater						
7.	Acknowledgement:  I,						
	Signature of Owner Date						
8.	Existing Environmental Permits: List any state or federal environmental permits already associated with this site or that are needed (check all that apply): New installation of an on-site wastewater treatment facility No other environmental permits exist Other environmental permits required (list all): Other environmental permits						
9.	<u>Certification</u> : (READ CAREFULLY AND SIGN BELOW, to be completed by the property owner identified in Item Two (2) on the front of this application:						
	I, certify that this Notice of Intent to Discharge and all attachments were prepared						
	under my direction or authorization and all information is, to the best of my knowledge, true, accurate and complete. I also certify that the onsite wastewater treatment facility described in this form is or will be designed, constructed, and operated in accordance with terms and conditions of the authorized general aquifer protection permit(s) and applicable requirements of Arizona Revised Statues Title 49, Chapter 2, and Arizona Administrative Code Title 18, Chapter 9 regarding aquifer protection permits and the Maricopa County Health Code. I am aware that there are significant penalties for submitting false information including permit revocation as well as the possibility of fine and imprisonment for known violations.						
	Signature Date						